Olasunkanmi Olayinka

Boston, MA

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https://github.com/ssukanmi

Career Objective

Experienced Software Engineer with a strong background in software test automation, build tools, cloud infrastructure, and backend development at AWS, specializing in Rust for production-level code and contributing to open-source projects. Demonstrated expertise in designing CI/CD pipelines, automating processes, and enhancing system efficiency using AWS, Kubernetes, and Linux internals. Adept at collaborating with cross-functional teams to ensure high availability, robust performance, and proactive issue resolution in dynamic environments.

Skills

- **Programming languages**: Python, Java, Golang, Rust, Bash
- **Web Frameworks/Libraries**: JavaEE, Spring MVC, Hibernate, Gin-gonic, GORM
- **Tools/Software**: Testrail, Jira, Confluence, Git & GitHub, MS Excel, MS Word
- **Testing Frameworks**: BDD, Gherkin, Cucumber, Selenium, Behave, Automation testing, Mockito, Appium, Browserstack, Testrail
- **DevOps & Cloud Skills**: Docker, Kubernetes, AWS, Azure, CloudFormation, HashiCorp Terraform & Packer, GitOps, Linux OS, CI/CD, Prometheus, Grafana, Automation scripting
- **Cybersecurity**: kali Linux, mac spoofing, arp spoofing/poisoning, vulnerability analysis, network scanning, social engineering
- **Soft Skills**: Open-Source development, Effective communication, People skills, Team player, Problem solving & analytical skills., Leadership Skills

Work Experience

Amazon — **Jun 2023 - Present**
Software Development Engineer — *Boston, MA*
- Contributed to open-source projects for the Rust programming language, enhancing language features and staying updated on trends to improve community engagement
- Developed and maintained internal Rust build systems for AWS, which enhanced the developer experience and increased efficiency for Rust developers at Amazon
- Built and owned a CodeReview UX analyzer that enforced linting rules, preventing bugs in production code. Utilized cargo-clippy for Rust builders and onboarded golangci-lint and Java checkstyle to enhance the analyzer's features
- Collaborated with the CloudTrails team to port internal code from Java to Rust, resulting in improved efficiency and reduced latency for monitoring and logging AWS activities

Northeastern University — **Sep 2021 - May 2023**
Access Control Technical Assistant — *Boston, MA*
- Entered work requests to track battery replacements and time, ensuring efficient maintenance scheduling and reducing downtime
- Disposed of spent batteries, cardboard, and other materials properly, maintaining a clean and safe work environment and preventing potential hazards
- Performed lock battery replacements across campus, ensuring uninterrupted access control functionality and enhancing security
- Reviewed and cross-referenced nightly wireless voltage and status reports to identify and prioritize locations needing maintenance

Amazon — **May 2022 - Dec 2022**
Software Development Engineer Intern — *Cambridge, MA*
- Contributed to a frontend UI package using React, improving user interface functionality for internal customers' self-servicing
- Implemented software security practices and integration testing with internal tools, ensuring reliable application functionality
- Automated a manual entity resolution process for the team, making it fully self-serviceable for internal customers, saving development time dealing with tickets
- Developed a native AWS application using AWS resources (AWS Lambda, SQS, S3, EC2, StateMachines) from the ground up, enhancing system scalability and performance

Trilogy — **Jul 2019 - Aug 2021**
Software Development Engineer in Test — *Austin, TX*
- Applied modern software practices throughout the STLC process to enhance testing efficiency and accuracy
- Automated mobile (iOS/Android) applications using BrowserStack and Appium, improving testing speed and reliability
- Contributed to product team Internal Technical Decision (ITD) sessions, enhancing decision-making processes
- Created and maintained repositories of cloud-based automated test cases, ensuring comprehensive test coverage
- Automated web applications using Java core, Selenium-Java, Cucumber-Java, Cucumber-JUnit, Gherkin syntax, and Python(behave), leading to more efficient and reliable testing processes
- Applied integration testing with tools like AWS, Jenkins, Allure, Jira, GitHub, and a private test platform for continuous integration, ensuring code changes or fixes don't break the application

Education

Northeastern University — **Sep 2021 - May 2023**
Master of Science, Computer Systems Engineering — *Boston, MA*
- **GPA:** 3.4

Covenant University — **Aug 2013 - Jul 2018**
Bachelor of Engineering, Electrical and Electronics Engineering — *Ogun, Nigeria*
- **GPA:** 3.7

Projects

NEUSPORTSMAN

https://github.com/ssukanmi/NeuSportsMan
- Implemented mailing functionality to notify users of booked locations
- Developed a dynamic web app to book certain on campus locations for event.
- Generated entity mappings for all POJOs that needed to be persisted in the DB using Hibernate annotations

WEBSERVICE

https://github.com/ssukanmi/webservice
- Implemented mailing functionality to verify user email using aws SES and lambda
- Developed a web api service to create, update, and delete users.
- Configured application to use codedeploy to auto update app after new changes have been made
- Created aws resource stack using CloudFormation for laC
- Configured auto scaling in and out depending on usage metrics and also load balancer for load distribution
- Used security groups, IAM roles and Policies for limited access to resources and also encryption of user data at rest and in transition using aws KMS
- Configured EC2 launch template to use UserData to auto configure environment variables in the instance and restart the webapp at every new instance creation